

In view of the foregoing amendments and the following remarks, reconsideration of all pending claims is respectfully requested.

Applicant notes the Examiner's claim renumbering of previously presented claims 19 and 20 as 18 and 19, respectfully.

With regards to the duplicate claim warning, Applicant has deleted Claim 14 to overcome this objection should Claim 12 be found allowable.

With regards to the objection to Claim 1, Applicant has amended this claim consistent with the Examiner's suggestion.

Claims 1, 2, 4, 6-9 and 11-14 stand rejected under 35 USC §103(a) as being unpatentable over Peters et al, U.S. Patent 6,636,927 B1 in view of AAPA.

Claim 10 stands rejected under 35 USC §103(a) as being unpatentable over Peters et al, U.S. Patent 6,636,927 B1 in view of Bennett U.S. Patent 6,510,475 B1.

Claim 13 is stands rejected under 35 USC §112, first paragraph.

Figure 3 has been amended to show each and every claimed element. Accordingly, this rejection has been overcome.

Claim 15 stands rejected under 35 USC §102(b) as being anticipated by Corrigan et al, U.S. Patent 5,983,306 A.

Claims 16-19 stand rejected under 35 USC §102(e) as being anticipated by Peters et al, U.S. Patent 6,636,927 B1.

Independent Claims 1, 15 and 16 have been amended to better define the claimed invention over the cited prior art. Independent Claim 1 recites a bridge apparatus, wherein the bridge apparatus is configured such that a PCI Master can dynamically decide the amount of data prefetched based on the PCI cycle type. Support for this limitation is found in Applicant's specification on page 18 lines 8-18. Claim 15 recites a programmable controller, and Claim 16 recites a method both including limitations directed to this feature. The prior art to Peters in view of Bennett and AAPA fails to teach or suggest the claims as amended.

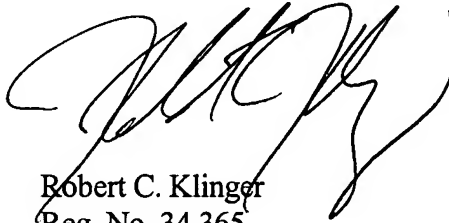
Favorable consideration of amended independent Claims 1, 15 and 16, and the remaining dependent claims, is respectfully requested.

A Three month Extension of Time is included along with a check for the requisite fee of \$1,020.00.

No additional fees are believed due, however, the Commissioner for Patents is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. 50-1752.

If any other matters remain, the Examiner is encouraged to contact the undersigned attorney to resolve these matters by Examiner's amendment were possible.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'R. C. Klinger', is written over the printed name and title.

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IN THE DRAWINGS

A proposed amended Figure 2 is included herewith including the designation -- Prior Art -- as shown in red.

The drawings stand objected to under 37 CFR 1.83(a) as failing to show every feature of the invention specified in the claims, specifically, “second bus has cache memory” in line 10 of Claim 1. A proposed amendment to Figure 3 showing this element in red is attached herewith. No new matter is entered. Formal drawings for all Figures will be provided when this case is in condition of allowance.